

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	Examiner: John B. Nguyen
JAMES K. CAVERS ET AL.	)	
	:	Group Art Unit: 2819
Application No.: NYA	)	
Div. of 09/982,626,	:	
filed October 18, 2001	)	
	:	
Filed: Herewith	)	
	:	
For: DECORRELATED POWER	)	
AMPLIFIER LINEARIZERS	:	February 17, 2004

MAIL STOP - PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. § 1.56, Applicants respectfully direct the Examiner's attention to the documents listed on the enclosed Form PTO-1449.

The information listed on the enclosed PTO-1449 was cited in the parent of the present divisional application, Application No. 09/982,626, and might be deemed pertinent for the reasons given there. The Examiner is respectfully directed to the files of the U.S. Patent and Trademark Office for review of those documents. (See 37 C.F.R. § 1.98(d) and MPEP § 609.) Additionally, the Examiner is requested to indicate that the listed information has been considered by initialing the appropriate portions of the enclosed Form PTO-1449 and returning a

copy of same to Applicants.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "D. H. Scinto", written over a horizontal line.

Attorney for Applicants

Registration No. 39,832

FITZPATRICK, CELLA, HARPER & SCINTO  
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New York, New York 10112-3801  
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FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. <b>01311.001005.1</b>		APPLICATION NO. NYA <b>Div. Of 09/982,626</b>	
				APPLICANTS <b>JAMES K. CAVERS ET AL.</b>			
				FILING DATE <b>Herewith</b>		GROUP <b>2819</b>	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,610,554	3/97	Anvari	330	52	
		5,617,061	4/97	Fukuchi	330	151	
		5,621,354	4/97	Mitzlaff	330	52	
		5,694,395	12/97	Myer et al.	370	480	
		5,742,201	4/98	Eisenberg et al.	330	2	
		5,831,478	11/98	Long	330	52	
		5,815,036	9/98	Yoshikawa et al.	330	52	
		4,879,519	11/89	Myer	330	149	
		4,379,994	4/83	Baumann	330	149	
		5,862,459	1/99	Charas	455	144	
		5,644,268	7/97	Hang	330	151	
		5,760,646	6/98	Belcher et al.	330	149	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	EP	0675594	10/95	EPO			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
		S. Grant, "A DSP Controlled Adaptive Feedforward Amplifier Linearizer," July, 1996.					
		S. Grant and J. Cavers, "A DSP Controlled Adaptive Feedforward Amplifier Linearizer," ICUPC 1996.					
		A. Smith, "A Wideband Adaptive Feedforward Amplifier Lineariser," August 1997.					
		A. Smith and J. Cavers, "A Wideband Architecture For Adaptive Feedforward Linearization," May 18, 1998.					
EXAMINER				DATE CONSIDERED			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		5,307,022	4/94	Tattersall, Jr. et al.	330	52	
		5,532,642	7/96	Takai	330	15	
		5,789,976	8/98	Ghannouchi et al.	330	52	
		5,565,814	10/96	Fukuchi	330	52	
		5,485,120	1/96	Anvari	330	151	
		5,489,875	2/96	Cavers	330	151	
		6,208,207	3/01	Cavers	330	149	
		6,166,601	12/00	Shalom et al.	330	151	
		5,157,345	10/92	Kennington et al.	330	149	
		5,130,633	7/92	Tattersall, Jr.	330	52	
		5,867,065	2/99	Leyendecker	330	149	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		58 175309	10/14/83	Japan			
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		F. Amoroso, "Spectral Containment By PreDistortion of QPSK Signal," October, 1998.					
		J. Cavers, "Adaption Behavior of a Feedforward Amplifier Linearizer," February, 1995.					
		Q. Cheng, et al., "A 1.9 GHZ Adaptive Feedforward Power Amplifier, November, 1998.					
		J.C. Lagarias, et al. Convergence Properties of the Nedler-Mead Simplex Algorithm in Low Dimensions, SAIM J. Optim. May, 1997					
		P.B. Kennington and D.W. Bennett, Linear Distortion Correction using Feed-forward System, IEEE Transactions on Vehicular Technology Vol 45 No 1 (Feb. 1996)					
		J. Chen, et al., Adaptive joint linerisation / equilisation with delay alignments for a wideband power amplifier, March, 1998					
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		5,898,339	4/99	Maruyama et al.	330	151	
		6,075,411	6/00	Briffa et al.	330	149	
		6,414,546	7/02	Cavers	330	149	
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		G.A. Clark, S.K. Mitra, and S.R. Parker, Block Implementation of Adaptive Digital Filters, IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-29, No. 3, (June 1981)					
		A. Feuer, Performance Analysis of the Block Least Mean Square Algorithm, IEEE Transactions on Circuits and Systems, Vol. CAS-32, No. 9, (July 1985)					
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		G. Panda, B. Mulgrew, C.F.N. Cowan, and P.M. Grant, A Self-Orthogonalizing Efficient Block Adaptive Filter, IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-34, No. 6, (December 1986)					
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		5,912,586	6/99	James Edward Mitzlaff	330	149	
		5,923,214	7/99	James E. Mitzlaff	330	52	
		6,456,160 B1	9/02	Nakayama et al.	330	52	
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		M. Johansson and L. Sundstrom, Linearization of RF Multicarrier Amplifiers using Cartesian Feedback, Electronic Letters, Vol. 30, No. 14, (July 7, 1994)					
		Hau et al. "Design and characterization of a microwave fee-forward amplifier with improved wide-band distortion cancellation" IEEE Transactions on Microwave Theory and Techniques, vol. 49, Issue 1, January 2001, pages 200-203.					
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